| Electronic Pat                          | tent App | lication Fe                                     | Transm   | ittal  |                         |  |  |
|---|----------|---|----------|--------|-------------------------|--|--|
| Application Number:                     | 100      | 10603034  |          |        |                         |  |  |
| Filing Date:                            | 24-      | 24-Jun-2003                                     |          |        |                         |  |  |
| Title of Invention:                     | NE       | NEWS GROUP CLUSTERING BASED ON CROSS-POST GRAPH |          |        |                         |  |  |
| First Named Inventor/Applicant Name:    | Jer      | Jennifer Chayes                                 |          |        |                         |  |  |
| Filer:                                  | Ber      | Benjamin A. Keim/Jennifer Phipps                |          |        |                         |  |  |
| Attorney Docket Number:                 | MS       | MS1-1474US                                      |          |        |                         |  |  |
| Filed as Large Entity                   | •        |   |          |        |                         |  |  |
| Utility under 35 USC 111(a) Filing Fees |          |   |          |        |                         |  |  |
| Description                             |          | Fee Code  | Quantity | Amount | Sub-Total in<br>USD(\$) |  |  |
| Basic Filing:                           |          |   |          |        |                         |  |  |
| Pages:                                  |          |   |          |        |                         |  |  |
| Claims:                                 |          |   |          |        |                         |  |  |
| Miscellaneous-Filing:                   |          |   |          |        |                         |  |  |
| Petition:                               |          |   |          |        |                         |  |  |
| Patent-Appeals-and-Interference:        |          |   |          |        |                         |  |  |
| Post-Allowance-and-Post-Issuance:       |          |   |          |        |                         |  |  |
| Utility Appl issue fee                  |          | 1501  | 1        | 1770   | 1770                    |  |  |

Publ. Fee- early, voluntary, or normal

| Description        | Fee Code          | Quantity | Amount | Sub-Total in<br>USD(\$) |
|--------------------|-------------------|----------|--------|-------------------------|
| Extension-of-Time: |                   |          |        |                         |
| Miscellaneous:     |                   |          |        |                         |
|                    | Total in USD (\$) |          |        | 2070                    |